A-AXS

in work

Site () stop day—skill (A strough of S) Walliam Trendition,

sala 1. (2.6) 08

Structure of the State of the Contract of the

AEP Model UK Model ····· E-Model

оиона

COLORADO PO

941,649.1



INTEGRATED STEREO AMPLIFIER

SPECIFICATIONS

be in a self the life the

GENERAL

System:

Preamplifier section: low-noise NF type equalizer amp.; NF type tone control Power amplifier section: pure-complementary SEPP do power amplifier with all stages direct coupled

Laro Sign compag

Peac - Send the

Virt DEL agerlaV

Pancesona Tancesonas

According to the final and anti-con-tion of the contract of t

4 - 400 (kg) n 4 - 4 14 3 44 3 5 8

Power Requirements:

AEP model: 220 V ac, 50 Hz/60 Hz UK model: 240 V ac, 50 Hz/60 Hz E model: 110, 120, 220 or 240 V ac adjustable, 50/60 Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

WARNING!!

THIS SET USES THE SWITCHING-TYPE POWER-SUPPLY CIRCUIT, WHICH IS DIRECTLY CONNECTED TO THE AC POWER LINE, AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD.



Power Consumption:

AEP, E model: 75 watts UK model: 250 watts

Dimensions:

Approx. 430(w) x 80(h) x 330(d) mm (17(w) x 31/4(h) x 13(d) inches)

MODELL SPECIAL PROPERTY AND PRO

including projecting parts and controls

Weight:

Approx. 4.2 kg (9 lbs 4 oz) net Approx. 5.0 kg (11 lbs) in shipping carton

AMPLIFIER SECTION

Continuous RMS **Power Output:**

(Less than 0.008 % THD, both channels driven

simultaneously) At 20 Hz - 20 kHz 40 + 40 watts (8 Ω) According to DIN 45500 40 + 40 watts (8 Ω)

Power Bandwidth

(IHF): 5 Hz - 40 kHz

Dynamic Headroom: 1.0 dB*

Harmonic Distortion: Less than 0.008 % at rated output

Intermodulation (IM)

Distortion:

(60 Hz: 7 kHz = 4:1)

Less than 0.008 % at rated output

- Continued on page 2 -



PHONO RIAA equalization curve ±0.2 dB Frequency Response:

5 Hz - 45 kHz +0 dB AUX !

Residual Noise:

Less than 140 μ V (8 Ω , network A)

Damping Factor:

50 (8 Ω, 1 kHz)

Inputs:

	Sensitivity	Im- pedance	Maximum Input Capability (1 kHz)	S/N (Weighting Network, Input Level)
PHONO	2.5 mV	50 kΩ	150 mV	82 dB 77 dB* (A, 2.5 mV)
TUNER AUX TAPE 1, 2	150 mV	50 kΩ	Maria de Caración	100 dB 80 dB* (A, 150 mV)

Measured with rated output power into 8 Ω loads (both channels driven simultaneously) at 1 kHz.

REC OUT 1, 2 **Outputs:**

Voltage 150 mV Impedance 4.7 k Ω .

SPEAKER A, B

Accepts speakers of 4 - 16 Ω . HEADPHONES

Accepts low and high impedance headphones.

Tone Controls: BASS

±10 dB at 100 Hz (turnover frequency

500 Hz)

TREBLE

±10 dB at 25 kHz (turnover frequency 5 kHz)

Loudness (att. 30 dB):

+10 dB at 100 Hz, +3 dB at 10 kHz

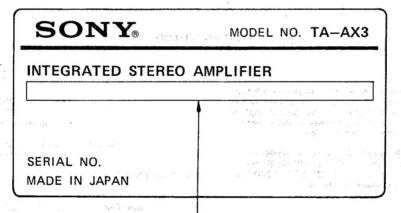
Subsonic Filter:

6 dB/octave attenuation below 15 Hz

0 dB = 0,775 V

MODEL IDENTIFICATION

- Specification Label -



AEP model: AC 220V ~ 50/60Hz 75W UK model: AC 240V ~ 50/60Hz 250W

E model: AC 110, 120, 220 or 240V, adjustable ~ 50/60Hz 75W

SERVICING NOTE

1. Pulse Power Supply Board Repairing

This set has a pulse power-supply circuit which is quite different from a conventional power-supply circuit. The pulse power-supply directly rectifies and smooths the ac input power to produce the higher dc voltages required in the power-supply circuit. When servicing this set, note the following.

- a) To prevent unwanted radiation due to pulse signals in the pulse power-supply circuit, the pulse power-supply board is shielded by the aluminum diecast box.
- b) Take care that electrolytic capacitor which is used after the rectification of ac power source voltage is charged even if the POWER switch is turned off. Be sure to use a resistor of at least several hundred ohms to discharge the capacitor. Direct discharge by means of lead is dangerous.

2. Inverter Circuit Transistor Replacement

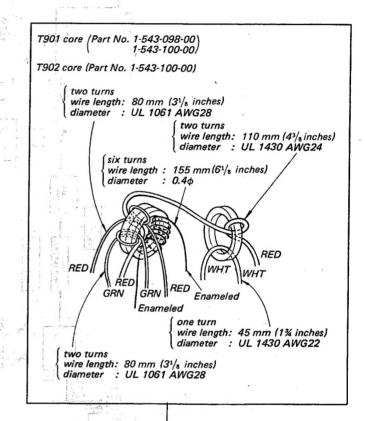
When any of inverter transistors (Q903, Q904) is broken, replace their transistors together. A pair of transistors with the same rank is provided for service field use.

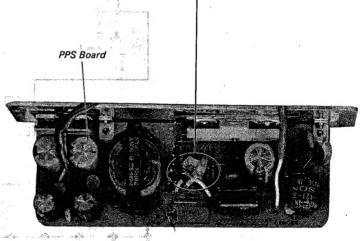
Ref. No.	Part No.	Description
Q903, Q904	X-4869-209-1	Transistor Ass'y, service

3. Inverter Circuit Transformer Replacement

coil carefully.

The lead wire arrangement for each of T901 and T902 in the inverter circuit is shown in Fig. A. As the repair parts, T901 and T902 are formed by only iron core. Thus, if the coil is defective, arrange a new transformers as shown below. Note that the lead lengths must be exact. Also wind the





SECTION 1 BLOCK DIAGRAM

9999

hu-mer Circuit Transformer Replacement

WATER FAR

80 mm ,30, 1 a ke Ut 1081 AWG 28

White we

wise teapth.

80 mm (31 - 14ch m) EQ 1031 AHG28

in the second of the second

COMMA GEN

in an area

तेष्ट्रका स्थान टाइक्स

> 030! POWER AMP 0

9 9 9

Cive in dees not made seem of the

air parts, and dent lend a former,

1. Pake Power Suppl. Board Repairing

which mental disquestions when their topold for and for a second tempts a limit of the second tempts and their second tempts and tempts

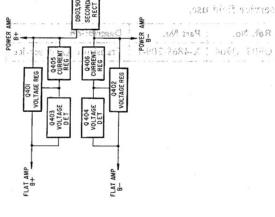
Service of the servic

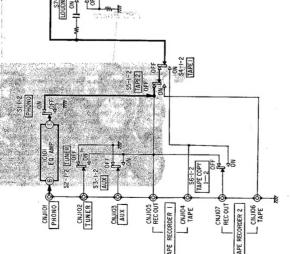
Republic of the state of the st

2. Invertes Circuit Frankisty R.

When any of inverter transistons October Oblide Oblide of transistons of transistons of transistons of transistons of transistons with the same representation of transistons of transisto

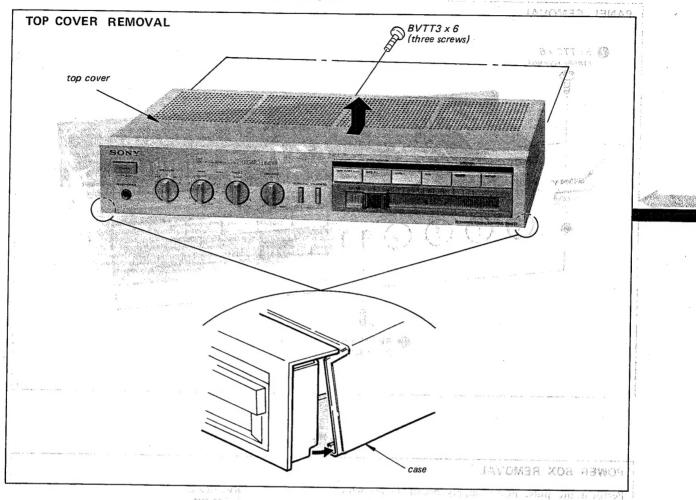
R-CH IS OMITTED

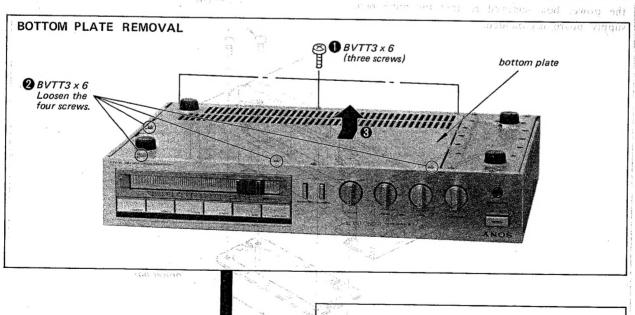




SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

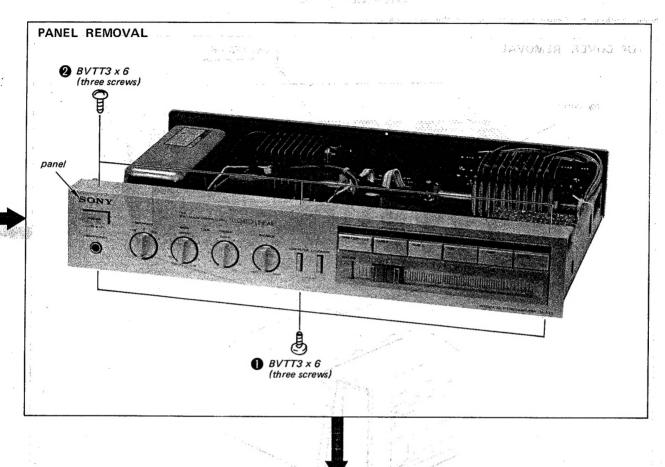


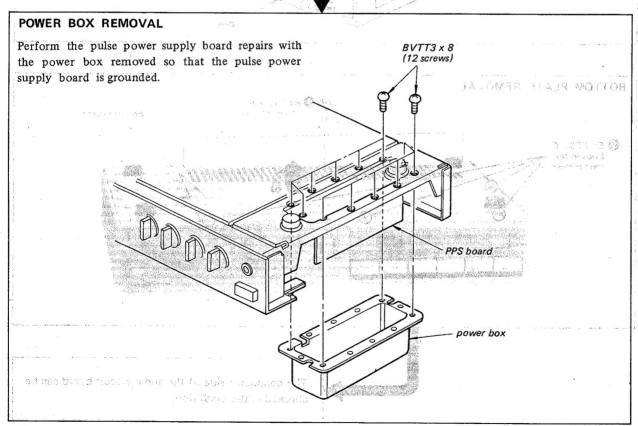


The conductor side of the audio circuit board can be

checked in this condition.

S BURTAR VJARABRASIO





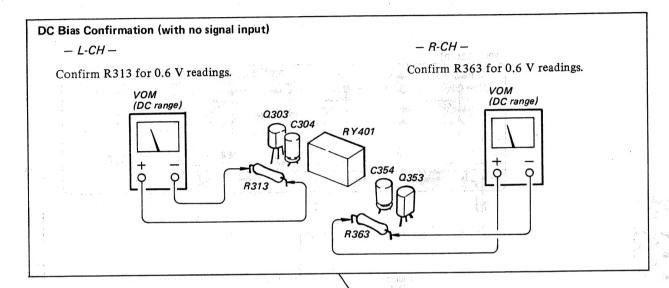
Semiconductor Lead Layouts

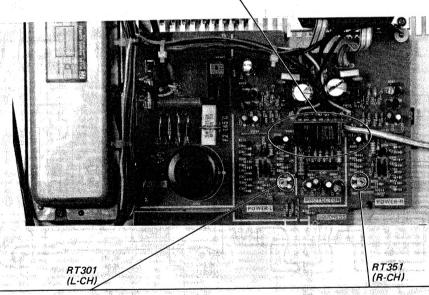
SECTION 3 ADJUSTMENTS

Note:

- DC BIAS confirmation and DC BALANCE adjustment should be made several minutes later after the POWER switch is turned on (POWER ON.).
- 2. Make DC BIAS confirmation first.

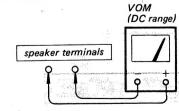
- Repeat DC BIAS confirmation and DC BALANCE adjustment two or three times.
- 4. After replacing the power transistors, DC BIAS confirmation and DC BALANCE adjustment should be made.





DC Balance Adjustment (with no signal input)

1. Turn the power switch ON. Connect a VOM to speaker terminals.



2. Adjust RT301 (L-CH) and RT351 (R-CH) for 0V reading on the VOM.

Set the VOM high at first. After obtaining 0 V reading, lower the range gradually and adjust RT301 and RT351.

Specification: 0 V ±50 mV

1S1555 1T22 1T22AM 2SA798 2SC2767 30DL4FA RD2.4E RD27EB HZ6A3L 2SK246 2SA1015 [PPS BOARD] 2SB646 2SC1364 2SC1815 2SD666 CTU-22U CX550 2SA1026 SLP155B SLP255B 2SB731 2SD809 NJM4560D letter side 3 (Top view) HA12002 2SC2291 Note: Color code of sleeving over the end of the jacket. (Marking side view) STK2230 : B + pattern

- 8 **-**

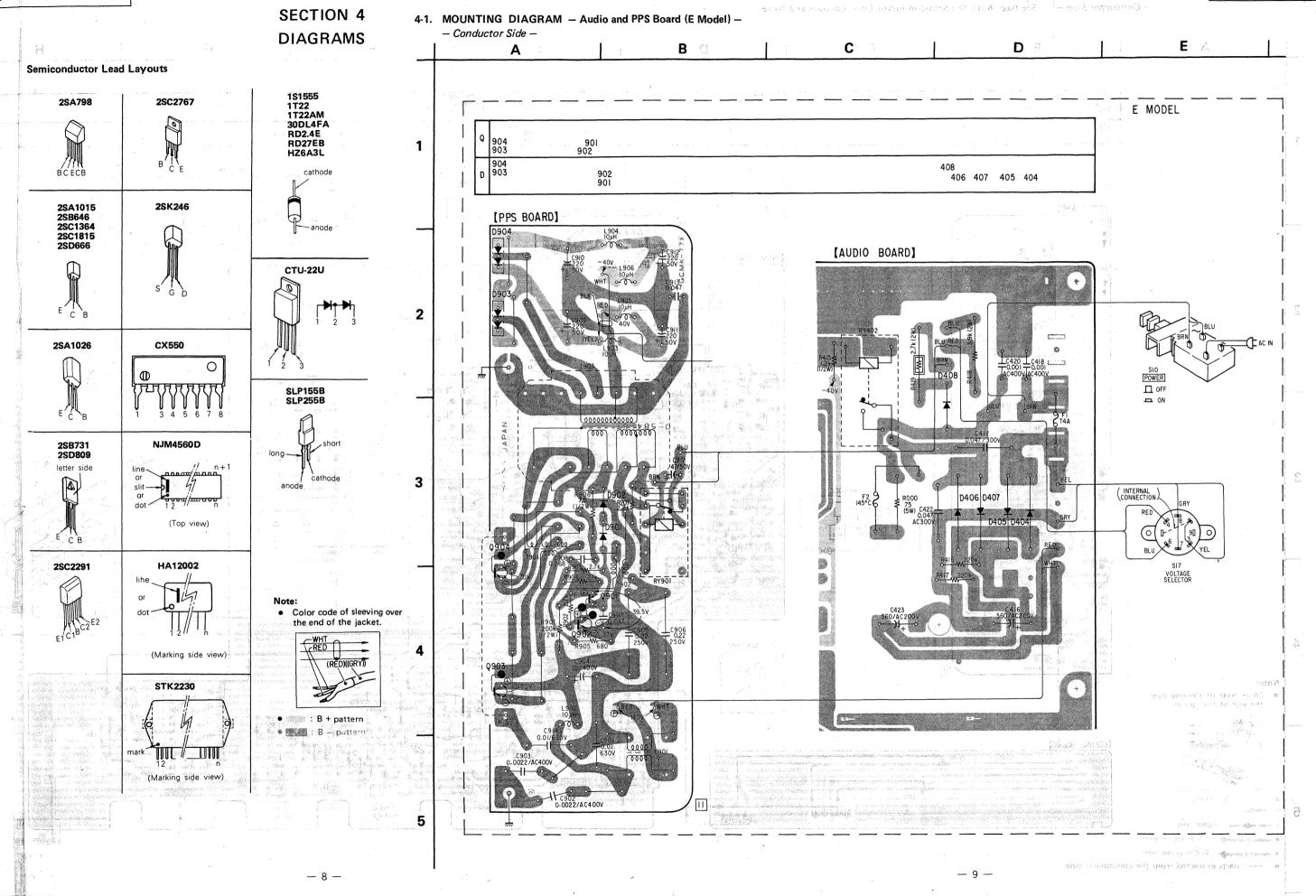
SECTION 4

DIAGRAMS

4-1. MOUNTING DIAGRAM - Audio and PPS B

902 901

Conductor Side —

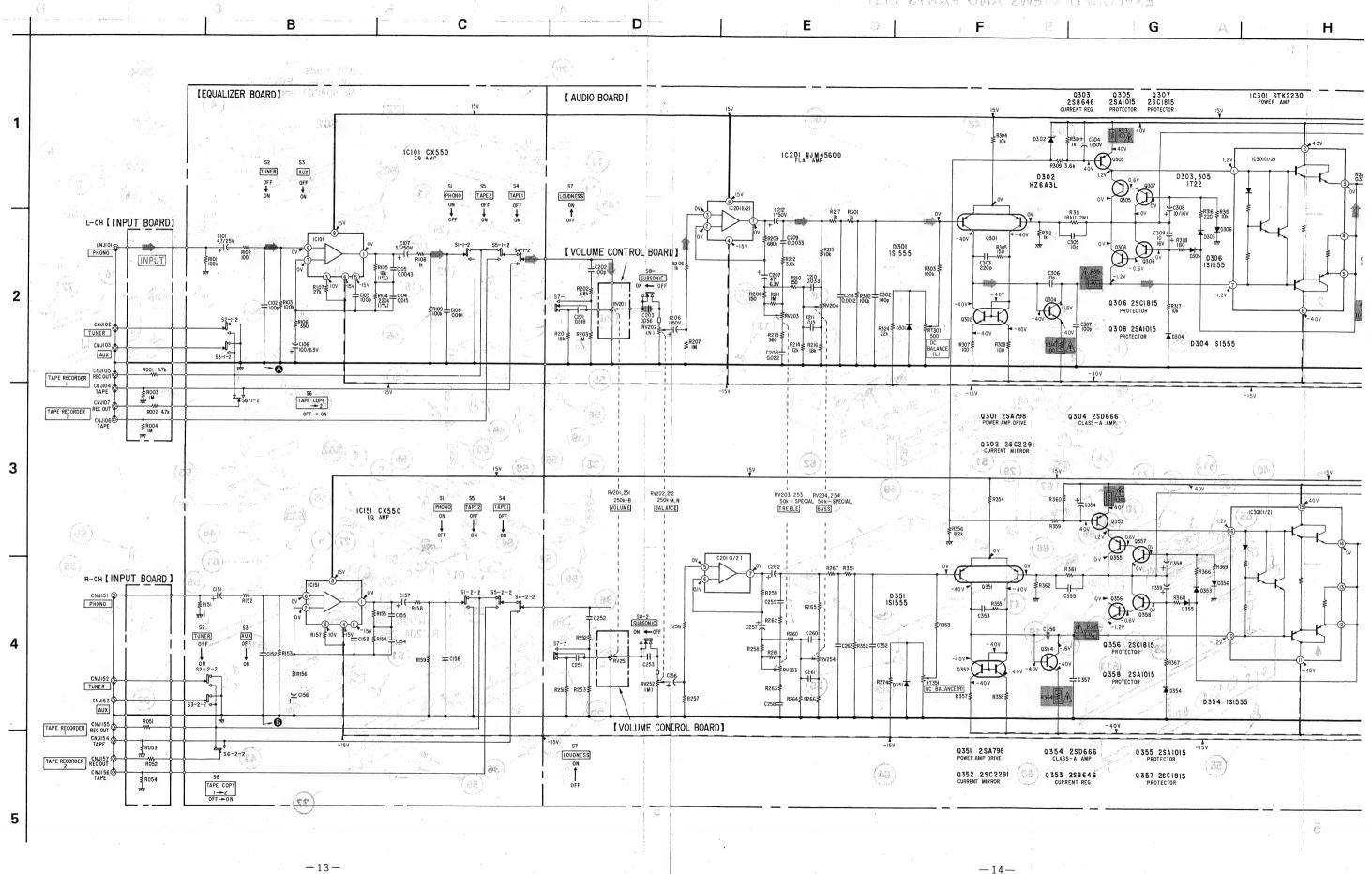


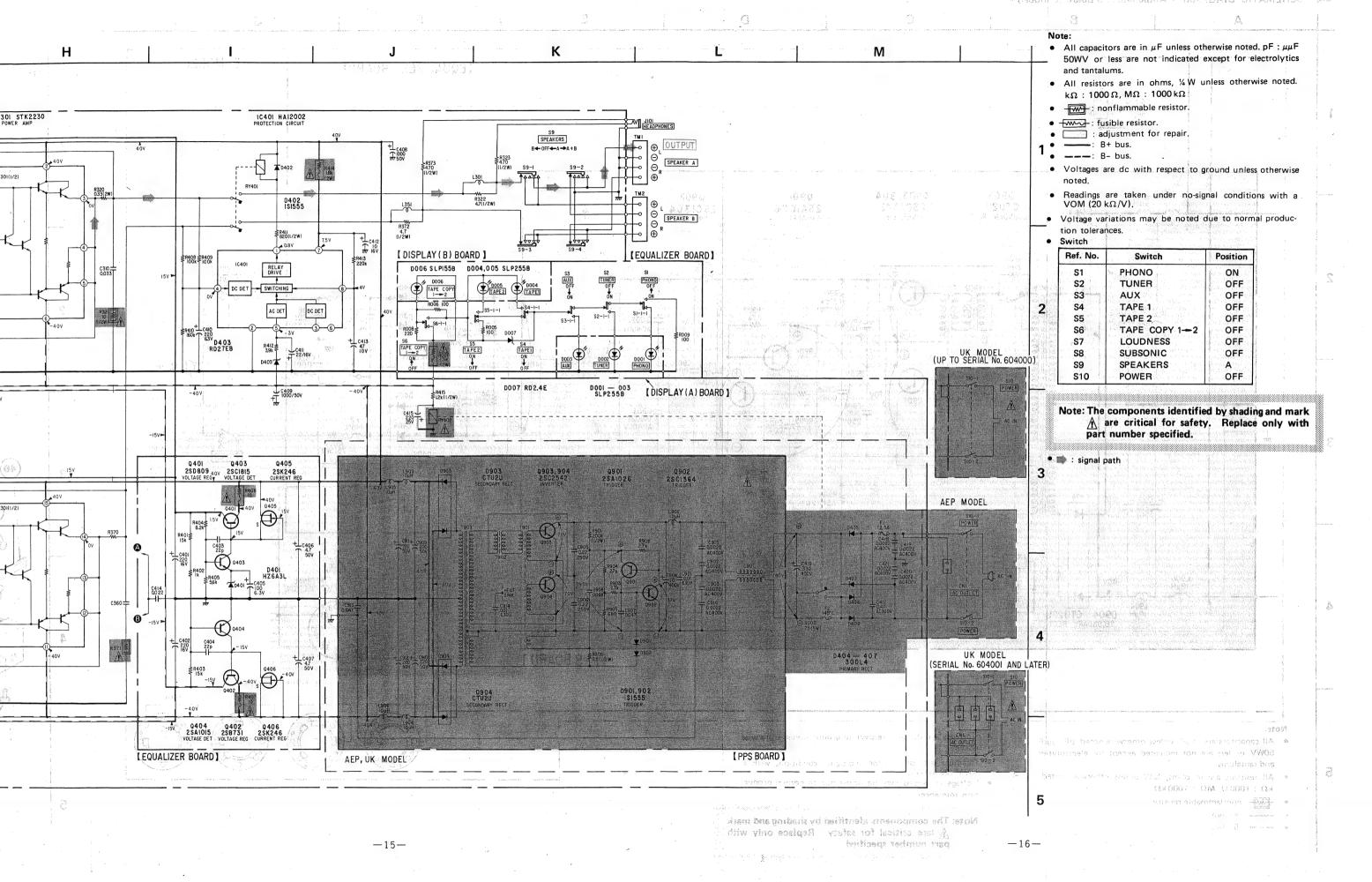
TA-AX3 TA-AX3 TA-AX; 4-2. MOUNTING DIAGRAM - Conductor Side - See page 8 for the Semiconductor Lead Layouts and Note. SECTION 4 & L. MOUNTING DIACIRASY - Audio and PPS Board (6 Model). F 2MARDAIO Α B C O D a E A G 306,305 304,308 307 301,302 IC201 2802762 8675.25 901 902 10401 10201 356³⁵³355₃₅₄351 402 403 406 407 405 404 IC301 STK 2230 AEP, UK MODEL [PPS BOARD] AEP, UK MODEL [AUDIO BOARD] [POWER BOARD] UK MODEL UK MODEL (SERIAL No. 604001 AND L/ AEP MODEL CNI IC OUTLET OFF I AEP MODEL AC OUTLET 3 RELAY SWITCHING DC DC DET DET [EQUALIZER BOAI IC201 NJM4560D Color code of sleeving over the end of the jacket. [VOLUME BOARD] [DISPLAY (B : R-CH signal path • o-: parts extracted from the component side. -11-

TA-AX3 TA-AX3 SECTION 3 SECTION A AT. MOTHER ENAMERS - Audio and 2004 70 A (C) ADJUSTMENTS Κ G E 306.305 304,308 307 301,302 IC201 405 403 404 406 2802762 ICI01 ICI51 406 407 405 404 IC30I STK2230 [INPUT BOARD] ER BOARD UK MODEL acin UK MODEL (SERIAL No. 604001 AND LATER) 2 AEP MODEL CNI DIC OUTLET ICIOI, 151 CX550 AEP MODEL CNI [AC OUTLET] [EQUALIZER BOARD] E SPHONOTHS TO WEST [DISPLAY (A) BOARD] [DISPLAY (B) BOARD] 5 GCMK-45EX -11TA-AX3 TA-AX3

SECTION 5

EXPLODED VIEWS AND PARTS LIST



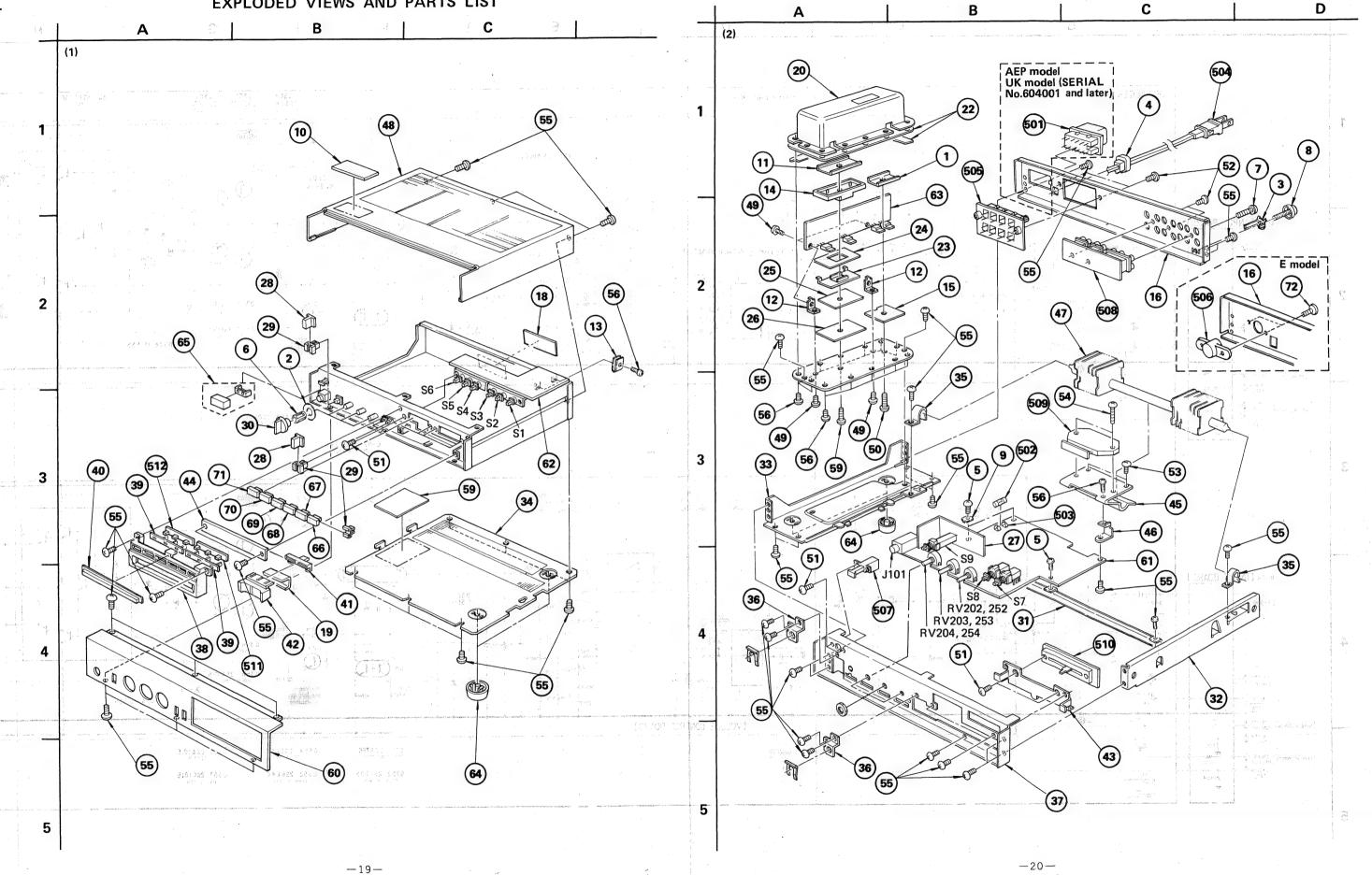


-18-

⚠ are critical for safety. Replace only with part number specified.

-17-





GENERAL SECTION

GENERAL SECTION TO DE

No.	Part No.	Description		No.	Part No. 19 10 Description 1987 1987 198
1 2 3 4 5	3-533-938-00	CLOTH SPACER, TERMINAL BUSHING, CORD	P. ()	42	1 4-875-166-00 MOLD, CONTROL KNOB (009 2 4-875-167-00 KNOB, CONTROL 3 4:4-875-168-00 BRACKET, BACK PLATE
6 7 8 9 10		SPRING (6600) SCREW, TERMINAL SCREW PLATE, GROUND LABEL, CAUTION	A VA A A A A A A A A A A A A A A A A A	46 47 48 49 50	6 4;4-875-171-00 BRACKET (C), PC BOARD 6 4;4-875-172-00 PIPE (G); HEAT 7-682-547-09 SCREW +B 3X6 6 7-682-551409 SCREW+B 3X14
13 14	♦ ;4-862-237-00 ♦ ;4-863-510-00 ♦ ;4-866-080-00 4 ;4-866-315-00 4-869-232-00	RETAINER, TRANSISTOR) man	1 52	00 - 01HMA
16 16	\$\;4-875-101-00 \$\;4-875-101-11 \$\;4-875-102-00 \$\;4-875-103-00	(UK, UP TO SERIAL No. 604.000)	JACK	56 57 58 59 60	7-685-872-01 SCREW +BVTT 3X8 (S) 7-685-873-01 SCREW +BVTT 3X10 (S) 9-911-840-XX SPACER (B), RUBBER 6489 9-911-863-XX INSULATOR 44322-325-A PANEL ASSY
18 18 18 18	4-875-110-00 4-875-111-00 4-875-112-00 4-875-113-00 4-875-113-11	(AEP)LABEL, SPECIFICATION (UK)LABEL, SPECIFICATION (E1)LABEL, SPECIFICATION (E2)LABEL, SPECIFICATION (E2)LABEL, SPECIFICATION	\$ 1 T	61 61 61	\$\\ \a^{4335-160-A} \ \((AEP\) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
19 20	4-875-137-00 5;4-875-139-00	MOLD (B), CONTROL KNOB	i	63	◆;A+4358-090+A**(E).00.481.MOUNTED PCB, EQ
22 23 24	4-875-140-00 4-875-141-00 4-875-142-00 4-875-143-00 4-875-144-01	HEAT SINK (P) PACKING, SHIELD HEAT SINK (W) SARCON, TRANSISTOR SHEET (E), INSULATING		64 65 66 67	X-3701-069-03 F00T ASSY, M.F. X-4875-108-0 KNOB ASSY, PHONO X-4875-117-0 KNOB ASSY, TUNER
27	4-875-150-00	SHEET (E), INSULATING		68 69 70 71 72	X-4875-118-0 KNOB ASSY, AUX X-4875-119-0 KNOB ASSY, TAPE (1) X-4875-120-0 KNOB ASSY, TAPE (2) X-4875-121-0 KNOB ASSY, TAPE COPY 7-621-259-45 SCREW +P 2.6X6
32 33 34	;4-875-154-00 ;4-875-155-00 ;4-875-156-00	CHANNEL (B) PLATE, SIDE PLATE, SIDE, L PLATE, BOTTOM HOLDER, PIPE			
37 ▲ 38	;4-875-160-00 4-875-163-00 ;4-875-164-00	BRACKET, JACK PANEL (C), SUB ESCUTCHEON, CONTROL FRAME, LED WINDOW, F INDICATOR			

NOTE: Items with no part number and no description are not stocked because they are seldom required for routine service

- Items marked " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part parwol numbers (Δ - $\Delta\Delta\Delta$ - $\Delta\Delta\Delta$ -XX or Δ - $\Delta\Delta\Delta\Delta$ - $\Delta\Delta\Delta$ -X) may be different from those used in the Hu : HU Am - HMM
- CAPACITORS:
- so nominal 1 capacitors are in u.F. Common ca-
- RESISTORS nessed All nessistors are the ohms. (Common rosers) All wests to share the ohms. (Common rosers) All was a same and a same of the common resistors are committed as Reference the following lists for their part numbers:
 - · F : nonflammable.com | troon :

Items with no part number and no des-Tiens with no mark numbers and no degree they have been transfered to the cription are not stocked because they following dists: for their part numbers. service. The mind of the prince cription are not stocked because they

Items marked ' & ' are not stocked wince they are seldom receired for routine service. Some delay should be anticipated wher ordering these items.

Due to standardization, parts with part numbers (A-MAR-MAR-M) or A-221103/MA-M) may be different from those used in the

· MMH : mH, UH : LH

ACCESSORY & PACKING MATERIAL

No. Part No. Description 1-526-565-00 (E1). ADAPTOR, AC PLUG 3-701-630-00 BAG, POLYETHYLENE 3-783-514-11 MANUAL, TINSTRUCTION ONE 195-1 A 108 5 3-795-182-11 (AEP, UK)...INSTRUCTION (DUTCH, SWEDISH) 95 4-866-723-00 SHEET, POLYETHYLENE 96 4-875-444-00 (AEP) (MADE IN KOREA) 96 4-875-445-00 (UK)....INDIVIDUAL CARTON (MADE IN KOREA) 96 4-875-447-00 (AEP, UK, E) .. INDIVIDUAL CARTON (MADE IN JAPAN) 4-875-448-00 CUSHION, UPPER 4-875-449-00 CUSHION, LOWER

8 8 20 40 40 29887 24-110 437 30 11880 2-86146, 30 21788

TRIBERTON PARKET

100.00 (00.00 00.0

0903 A.A. 4069-2009-1 TOAMSISTON ALSV. SERVICE ZEGOLOG

報信息素軟工

N310 1-21-152-00 RES, MLTAL PLATE 0.33 #391 A.3-247-312-00 UVSROW 10 10 58 #308 A.3-2125825-00 DAS OUT 10 18

0416 6.1-216-829-00-16), 048808 2206 88 67485 0417 26 1248-574 80 161, 62800 2286 88 1746

FRANKLISTON ASSY, REDWILL PRODUCT

NE 24.1

W 001

1.8% 3%

AL SE

I MANT.

THE WAY! SHALL W.

A. WALL de Watte WAY!

WHE ALTER GLAND BRIDGER ESSERBL 2902 A. C. 726 483 47 POMOS 1970A 6303 364

25 01400 AL-205-00-00-00-00410 25.

9007 5 1-200-668-00 96781 8312 & 1-247-107-00 CARGOR

WALL TO THE THE THE CHANNE

7221 A 1-247-192-00 RES ME N363 A 1-247-192-00 CARBON N363 A 1-247-197-00 CARBON

8437 K. 1-212-851-00 - 505 (01) F

1.206-670-00 NETE

00-1014(A)-14A-415A

5-001-977 7 . 104.05 11. 244.155

(049 2025

ELECTRICAL PARTS MAR MARKET IN

	Ref.No.	Part No.	Descripti	i <u>on</u>			:4:: 1	
∀0 4) 20	501 A	.1-526-636+13 .1-526-694-00	(AEP)	OU	FLET, AC FLET, AC		80 80	
1) 40°	502 A	.1-532-286-00 1-532-350-00	(AEP,UK). (E)	TH	ME-LAG F ME-LAG F	USE: 4A		
)	503⊁'∆	.1-533-131-00	HOLDERY F	USE	11- 67	. Arr. ()		
	504 🛦	.1-534-817-XX .1-551-473-31 .1-551-884-00	(AEP) (E) (UK)	COF	RD, POWE	R R	ijada Harina Tak	
	506 🛕	1-536-662-00 .1-552-963-00 .1-553-447-00	TERMINAL (E) SWITCH, P	SW.	TCH, VO	LTAGE SEL	ECTOR	
		1-604-865-00 ;1-605÷981-00	(AEP, UK). (E)	PC	BOARD,	INPUT	1004 1045 105	
		1-604-866-00 ;1-605-982-00	(AEP,UK). (E)	PC	BOARD,	POWER	M177 M13)	
		1-604-867-00 ;1-605-983-00	(AEP,UK). (E)	···PC	BOARD, BOARD,	VOLUME VOLUME	ener Tabe Teg	
-	511 ♦ 512 ♦	1-604-868-00 ;1-605-984-00 1-604-869-00 ;1-605-985-00	(AEP,UK). (E) (AEP,UK). (E)	PC PC	BOARD, BOARD, BOARD,	DISPLAY DISPLAY DISPLAY	(A) (A) (B) (B)	
	- C416 Ā C417 Ā	.1-125-222-00 .1-125-272-00 .1-130-701-00 .1-130-234-00	(AEP,UK). (E) (AEP,UK). (E)	ELECT FILM	00-010 2-111	-560MF -0.47MF	20% 20% 120% 20%	400V 200V 300V 300V
	C418 <u>∧</u> C419 <u>∧</u> C420 <u>∧</u>	1-161-734-00 1-161-741-00 1-161-734-00 1-161-734-00 1-161-741-00		CERAMI CERAMI CERAMI	C C	0.0022MF 0.001MF 0.0022MF	20% 10% 20%	400V 400V 400V 400V 400V
	C422 A C423 A C901 A	1-161-734-00 1-130-234-00 1-125-272-00 1-130-141-00 1-161-734-00	(AEP,UK). (E) (E) MYLAR CFRAMIC	CERAMI FILM ELECT O.	0 1MF 0 0 2 2MF	0.0022MF 0.047MF 560MF 20%	20% 20% 20% 630V 400V	300V 200V
	C904 <u>∧</u> C905 <u>∧</u> C906 ∧	1-161-734-00 1-123-290-00 1-130-700-00 1-130-700-00 1-108-246-00	CERAMIO ELECT FILM FILM MYLAR	0. 0.	2 2MF 2 2MF	10%	250V 250V	945 247 258
	C909 <u>A</u> . C910 <u>A</u> C911 <u>A</u> .	1-108-249-00 1-123-361-00 1-123-361-00 1-123-361-00 1-123-361-00	MYLAR ELECT FAREGER ELECT ELEC	22 22 22	OMF ONE	20%	50V 50V 50V 50V 50V	
.				10%,	30-593		1016	

NOTE

Items marked " • " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Due to standardization, parts with partition numbers $(\Delta - \Delta\Delta\Delta - \Delta\Delta\Delta - XX \text{ or } \Delta - \Delta\Delta\Delta\Delta - \Delta\Delta\Delta - X)$ may be different from those used in the

- SGGTTSEGAR CAPACITORS:

cription are not stocked because they and of apacitors are omitted Refer to the are seldom required for moutine service and ass following lists for their part numbers.

RESISTORS

· All resistors are in ohms. Common 1/4W. 1/8W and 1/16W carbon resistors rare omitted. Referrato the following reasons with a saline in the saline is saline in the saline in the saline in the saline in the saline is saline in the lists for their part numbers.

• F : nonflammable

The components identified by shading and mark Mare critical for safety. Replace only with part number specified.

numbers (c-rest-abs-xx or s-abs-abs-re-may be different from may 21100 to the · MMH : m.H, UH : µH

ELECTRICAL PARTS DVINDAG 3 190823 DA

Ref.No.	Part No.	Description	198 2131	W. 1981	Ref.No.	Part No.	<u>Description</u>	. 78 . 115	1 .21
C914 <u>∧</u> C915 <u>∧</u> C916 <u>∧</u>	.1-130-141-00 .1-161-734-00 .1-161-734-00	MYLAR 0. MYLAR 0. (AEP.UK).CERAMI (AEP.UK).CERAMI	O1MF 20% C 0.0022MF C 0.0022MF	630V 20% 400V 20% 400V	L351 ♣ L901 / L902 /	;1-420-872-00 ;1-421-340-00 ;1-421-329-00	COIL, AIRE CORE COIL, AIRE CORE LINE FILTER COIL, CHOKE COIL, CHOKE	101.08;+101 1> 131-	1 59 1 59 3 44
CNJ102 CNJ103 CNJ151	1-507-741-21	JACK, PIN 6P. F	HONO; TUNER; A	UX:⊕ê	. 1∟905 ½ L906 ₫	<u>)</u> , 1+421-329-00 <u>), 1-421-329</u> -00 (COIL, CHOKE A COIL, CHOKE COIL, CHOKE	30-444-353 30-488-553-	
	1-507-740-00	JACK, PIN 4P; 1	APE RECORDER 1	/2	Q301 Q302 Q303 Q303 Q304 Q305		TRANSISTOR 2SA TRANSISTOR 2SC TRANSISTOR 2SB TRANSISTOR 2SD TRANSISTOR 2SA	2291-G 6464A-464-413-4 6664A-465-413-	٥, د
CNJ155 D001 D002 D003 D004	8-719-912-55 8-719-912-55 8-719-912-55 8-719-912-55	DIODE SLP255B DIODE SLP255B DIODE SLP255B DIODE SLP255B	00-488-806-131 00-488-806-1 & 01-509-304-1,8	10 2 9 2	Q306 Q307 Q308 Q351 Q352	8-729-663-47 8-729-663-47 8-729-201-52 8-729-679-82 8-729-629-12	TRANSISTOR 2SCI TRANSISTOR 2SCI TRANSISTOR 2SAI TRANSISTOR 2SAI TRANSISTOR 2SAI	1364 1364 1015-GR 798-G	
	8-719-912-55 8-719-921-55 8-719-144-07 8-719-815-55 8-719-910-63	DIODE SLP155B DIODE SLP155B DIODE RD2.4E-B DIODE 1S1555 DIODE HZ6A3L	TO PARTY STORY . A STORY .		Q353 Q354 Q355 Q356 Q357	8-729-304-62 8-729-300-62 8-729-201-52 8-729-663-47 8-729-663-47	TRANSISTOR 2SBC TRANSISTOR 2SBC TRANSISTOR 2SBC TRANSISTOR 2SC TRANSISTOR 2SC	566-A 1015-GR 1364	
1.31.1	8-719-815-55 8-719-422-21 8-719-815-55 8-719-815-55	DIODE 151555 DIODE 152AM DIODE 152AM DIODE (151555) DIODE 151555 DIODE 172AM	00-288-284-1.4 00-288-288-0 00-288-284-1.4 00-288-284-1.4 00-288-284-1.4	(A)A)	Q358 Q401 Q402 Q403 Q404	8-729-201-52 8-729-180-93 8-729-173-13 8-729-663-47 8-729-201-52	TRANSISTOR 2SA TRANSISTOR 2SD TRANSISTOR 2SB TRANSISTOR 2SC TRANSISTOR 2SA	309-K 731-K 1364	
D354 D355 D356 D401 D402	8-719-815-55 8-719-422-21 8-719-815-55 8-719-910-63 8-719-815-55	DIODE 1S1555 DIODE 1T22AM DIODE 1S1555 DIODE HZ6A3L DIODE 1S1555	40230-23-00 2231-23-00 2-1-201-20-20 1-1-21-231-20-00	274.7 274.7 244.7 444.7	Q902 <u>A</u> Q903 <u>A</u>	8-729-224-61 8-729-224-61 \(\).8-729-612-77 \(\).8-726-663-47 \(\).4-4869-209-1 \(\).4-4869-209-1	TRANSISTOR 25K TRANSISTOR 25K TRANSISTOR 25A TRANSISTOR 25C TRANSISTOR ASS TRANSISTOR ASS	246-Y 1027R 1364 Y, SERVICE 280	
D403 D404 <u>A</u> D405 <u>A</u> D406 <u>A</u>	.8-719-230-24 .8-719-230-24 .8-719-230-24 .8-719-230+24	DIODE RD27E-B32 DIODE 3ODL4FA DIODE 3ODL4FA DIODE 3ODL4FA DIODE 3ODL4FA	10-404-64-64 1-1-1-20-234-00 1-1-1-20-272-66 1-1-1-20-141-07	1007 1007 1007	R007 <u>A</u> R313 <u>A</u> R314 <u>A</u>	\$\frac{1-205-599-00}{1-206-668-00}\$\frac{1-247-107-00}{1-247-107-00}\$\frac{1-247-107-00}{1-247-107-00}\$		1.5K 5% 2W 100 5% 1/ 100 5% 1/	/ / F /4W F /4W F
D901 <u>A</u> D902 <u>A</u> D903 <u>A</u> D904 <u>A</u>	.8-719-815-55 .8-719-815-55 .8-719-300-22 .8-719-300-22	DIODE 181555	0.1-161-73-00 0.1-163-000 00 11-17-00-00 11-17-00-00	13801 4093 2043	R363 <u>/</u> R364 /	1-217-152-00 1-247-192-00 1-247-107-00 1-247-107-00 1-247-107-00	CARBON CARBON	10 5% 1/ 100 5% 1/ 100 5% 1/	/2W F /4W F /4W F /4W F
IC101 IC151 IC201 IC301	8-759-305-50 8-759-305-50 8-759-745-60 8-759-822-30	IC CX-550 IC CX-550 IC NJM4560D IC STK-2230ST	10 100 100 100 100 100 100 100 100 100		R406 <u>/</u> R407 /	N.1-247-192-00 N.1-212-857-00	FUSIBLE FUSIBLE	10 5% - 1, 10 5% - 1,	/2W F /4W F /4W F N F
J101	1-507-669-00	JACK	Old Carlo Ca	1 2 2 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			(E)CARBON (E)CARBON		1/4W 1/4W

AQQR.

- Items marked " " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- · Due to standardization, parts with parts out numbers $(\Delta - \Delta\Delta\Delta - \Delta\Delta\Delta - XX)$ or $\Delta - \Delta\Delta\Delta\Delta - \Delta\Delta\Delta - X$ may be different from those used in the 相: 、明 , Em : 3M

CAPACITORS:

Items with no part number and no des
- Items with no part number and no des- Items sonia Sexu

RESISTORS

- accomed : Alderesistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following of the will be will be standard of bud and dists for their part numbers.
 - F : nonflammable (trop / 4

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

auth a percent abut twanger at your (x-122-200) sandumun (x-122-200) san · MMH : mH, UH : μΗ

ELECTROCAL PARTS 14 16

Ref.No.	Part No: 19170 Description 176 Off	Pert No. Seseraption	.24
R902 <u>/</u> R903 <u>//</u> R904 <u>/</u> R905 /	A, B+244-928-001 CARBON-001-3-2-200K 15% 1/2W A, 1-246-483-000 CARBON-001-3-2-7K 15% 1/4W A, 1-246-483-000 CARBON-001-3-2-27K 15% 1/4W A, 1-246-469-001 CARBON-001-3-2-580 5% 1/4W A, 1-244-822-00 CARBON 7.5 5% 1/2W	1.00 N.900-96 BBALK : TRANSTYTYM 3-532-838-90 -QLGD 3-731-744-90 -BBCTTW, TDSC 3-703-744-90 -BBCTTW, TDSC 3-703-740-6 -SCRIW, STIBER, HITTW- 4Xo	
RT301	1-226-232-00 "RES, "ADJ, CARBON 500; DC BALANCE 1-226-232-00 "RES, "ADJ, CARBON 500; DC BALANCE 1-226-232-00 "RES, "ADJ, CARBON 500; DC BALANCE 1-228-249-00 "RES, "VAR3 SLIDE 250K; VOLUME	0-795-466-08	4 4 1
RV204 -4 RV251	1-228-249-00 RES, VAR SLIDE 250K; VOLUME	4-86-96-96-96-984-3; "HRISTER 4-86-96-96-98-3; "H POAKI 4-866-96-96-36-3; "R	A 1.
RV253 RV254 RY401 RY402/	1-228-247-00 RES, VAR, CARBON 50K/50K; TREBLE 1-228-248-00 RES, VAR, CARBON 50K/50K; BASS 1-515-348-00 RELAY	Marra (22) (1942 - 60) 38 (444 - 6) 46 (444	6
S1 S2 30/4 S3	1-553-721-00 SWITCH, PUSH; PHONO 1-553-721-00 SWITCH, PUSH; TUNER 1-553-721-00 SWITCH, PUSH; AUX, 10 1-553-722-00 SWITCH, PUSH; TAPE10 1-553-722-00 SWITCH, PUSH; TAPE2	TO THE SECOND SE	43
3 S6 4 5 3 S7 1 S8 8 S9 2	14553-722400 SWITCH; PUSH; TAPE COPY 1-2 14553-138-00 SWITCH; PUSH; LOUDNESS: 1-553-138-00 SWITCH, PUSH; SUBSONIC 114553-724-00 SWITCH: ROTARY SLIDE: SPEAKERS	4-875-73-30 (\$21) 4892. SELCETE F.M. 4-875-73-73 (\$25) 4893. SEE 1 1370 pm 4-7 8-73-7440 Mm.D (\$) 198-1-1 198-1 4-7 8-73-7440 Mm.D (\$) 198-1-1 198-1 4-8 8-73-73-400 Ppz, pna-	v :
T902 <u>A</u>	A.1-543-100-00 CORE A.1-543-100-00 CORE A.1-446-964-00 TRANSFORMER, CONVERTER	4-213-40-40 HCA'S 24. 1 4-214-40 PACCISH STAL 1 4-214-40 SAL (A) TARASISTAL 4-214-40 SAL (B) TARASISTAL 4-214-40 SAL (B) TARASISTAL 6-214-40 S	3 S 3 S 3 S 3 S
()	1 1	4-57-141-00 - (34-13) - (34-13) 4-1-161-141-00 - (34-13) - (34-13) 4-27-1-132-00 - (346-17) - (34-13) 4-27-1-132-00 - (346-17)	28 28 20
		8-8-7-10-7-10-7-10-7-10-7-10-7-10-7-10-7	18 18 18 18 18 38.
		1-276-188-00 BRACH: 180 1-875-160-00 PRME, (24. SUB 1-874-188-00 ESCUTCHTON, COMMISS. 1-875-188-00 FRAM,CE 1-875-188-00 WINDON, FINDICATOR	3 &:

- · Items with no part number and no description are not stocked because they
- · Items marked " " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- · Due to standardization, parts with part numbers ($\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$ or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-XX$) may be different from those used in the

CAPACITORS:

All capacitors are in UP. Common capacitors are omitted. Refer to the are seldom required for routine service. 2793844 Ffollowing Misss for their part numbers. 321836 MF: µF, PF: µµF. 668134 A 1738 Service States

CAPACITORS:

RESISTORS

All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

• F : nonflammable

The components identified by shading and mark A are critical for safety. The Replace only with parts number specified

Due to standardization, parts With per numbers 4A-AAF-AAC-XX or A-AAAA-AAAA-X. may be different Trom EAGSC **21100** (h th

· MMH : mH, UH : բH

1983

GENERAL SECTION

ELECTROLYTIC CAPACITORS

			RATING		→ : Use the high volt	tage rated one.
/ =\	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
CAP. (µF)	PART No.	PART No.				
0.47					-	1-121-726-00
1.0		-			→	1-121-391-00
2.2					→	1-121-450-00
3.3	. →	-	→	1-121-392-00		1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	-	→	1-121-651-00	1-121-398-00	-	1-121-738-00
22	→	-	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	-	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	_
3300	1-121-661-00	1-123-075-00	1-123-071-00	_	-	

(100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT. PART No.	
CAP. (µF)	PART No.	PART No.	PART No.		
0.47	-	_		-	
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00	
2.2	1-123-250-00	1-123-026-00	-	1-123-028-00	
3.3	1-121-995-00	-	1-123-004-00	1-123-006-00	
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00	
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00	
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00	
33	1-121-997-00	1-121-757-00	-	-	
47	1-123-251-00	1-121-919-00	****	-	
100	1-123-084-00	***	_		

CERAMIC CAPACITORS

			RA1	ING				
	50 VOLT.	/ -1	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.	
CAP. (pF)	PART No.	CAP. (pF)	PART No.		PART No.	CAP. (µP)	PART No.	
0,5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-0	
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-0	
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-0	
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-0	
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-0	
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-0	
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-0	
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-0	
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-0	
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-0	
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-0	
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-0	
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-0	
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-0	
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-0	
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00			
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00			
16	1-102-952-00	110 -	1-1-02-815-00					
18	1-102-953-00	120	1-102-816-00					
20	1-102-958-00	130	1-101-081-00	1				

CERAMIC (SEMICONDUCTOR) CAPACITORS

		RA	TING -	: Use the high vol	tage rated one.	
/ -\	25 VOLT.	50 VOLT.	000 (05)	25 VOLT.	50 VOLT.	
CAP. (µF)	PART No.	PART No.	CAP. (µF)	PART No.	PART No.	
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00	
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00	
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00	
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00	
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00	
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00	
0.0033	. → .	1-161-045-00	0.056	→	1-161-060-00	
0.0039	→	1-161-046-00	0.068	→	1-161-061-00	
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00	
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00	
0.0068		1-161-049-00				
0.0082	1-161-012-00	1-161-050-00				
0.01	1-161-013-00	1-161-051-00	1			
0.012	-	1-161-052-00				
0.015	1-161-015-00	1-161-053-00	neith	indra?	11102	

1-89899 FS Printed in Japan

HIST (3)

FF-750-036-6

MYLAR CAPACITORS

I 4 WATT CARRON RESISTORS

1 1	12000		. 1.2	17 1400	1	RATING		2 36 34	9	137	7 31
	50 VOLT.	100 VOLT.	200 VOLT.	/	50 VOLT.	100 VOLT.	200 VOLT		50 VOLT.	100 VOLT.	200 VOLT.
CAP. (µF) PART No.	PART No. PART N	PART No.	CAP. (μF)	PART No. PART No. P		PART No.	CAP, (μF)	PART No.	PART No.	PART No.	
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-	0.1	1-108-251-00	1-108-389-00	1-108-433-0
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-0	0.12	1-108-363-00	1-108-390-00	1-108-434-0
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-	0.15	1-108-252-00	1-108-391-00	1-108-435-0
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-	0.18	1-108-364-00	1-108-392-00	1-108-436-0
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-0	0.22	1-108-254-00	1-108-393-00	1-108-437-0
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-	0.27	1-108-854-00	40 · - 41	AG 401 415
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-0	0.33	1-108-855-00	- ""	THE PARTY OF
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-0	0.39	1-108-856-00	#\$ - 81	24< 4×1 00
0.0047	1+108-234-00	1-108-373-00	1-108-417-00	0.047 ax	1-108-246-00	1-108-385-00	1-108-429-0	0.47	1-108-857-00	ac ac	80 SET 185
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-0	0	671		
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-0	00	The Park of		
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-0	00	85 - 1 100 SER 1	46 (45	W 012 #1

THE 1/6-ARE BAS .: IN I. HO OPER HAD I HOSE ON HER BASK .:



TANTALUM CAPACITORS

00.0	e" #45 i 248.k	and the second	DATING SE		Jse the high voltage	rated one	70 446 446 OF
100 (3.15 VOLT.	90 6.3 VOLT.	RATING 10 VOLT.	16 VOLT.	20 VOLT.		
CAP. (µF)	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.01		-16 118 in 116 ()	Jac - 641 Bid-Jac	galic (NO) and h	D. 246	केंद्र केंद्रिक वर्ष	1-131-396-00
0.015	,	46.462.451.3	9°4 jero Millioniji	491 (P. j. 67); -	445 + (6 × M)	jaka d ⇒ t nga	1-131-397-00
0.033		90 hr 468 1	lb(c) .n : π) ξ ,	asa ini side	10 n Sk 1 -246	-382 -382 a83	1-131-399-00
0.068		10 11	135	Ball Strate	4		1-131-401-00
0.1		1003 FS-1 - NO. 1	List to mile 2006	167 At 24	175 1 40 8 30	- 11 × 🛶 - 41 × 41	1-131-402-00
0.15		We not the	116 AF 463-27K	2+ 4 (36)- 467;	and a 🚓 i ga	1 (no com (→) 11 / 11 / 1	1-131-403-00
0.22					>		1-131-404-00
0.33					→	1-131-409-00	1-131-405-00
0.47	-	-	-		1-131-412-00	→	1-131-406-00
0.68	num.	-		1-131-415-00		1-131-410-00	1-131-407-00
1.0 1.5	-	1-131-421-00	1-131-418-00	1-131-416-00	1-131-413-00	1-131-411-00	1-131-408-00
2.2	1-131-424-00	1-131-421-00	1-131-419-00	1-131-416-00	1-131-414-00	1-131-355-00	1-131-349-00
3.3	1-131-424-00	1-131-422-00	2-131-419-00	1-131-417-00	1-131-362-00	1-131-355-00	1-131-350-00
4.7	1-131-425-00	-	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8	-	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	2000 30 000
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00	e4e1: 496	ERM TERROTORIST CHESTER TO THE
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00		CONTRACTOR OF THE STATE OF	in a destroy of the state of
	·1-131-393-00	1-131-387-00	1-131-381-00	non-Whenes Si t		1 September 1985	Mark of Market States and
68 100	1-131-394-00 1-131-395-00	1-131-388-00	7 di	_			



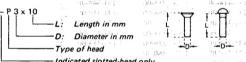
Street Suggest of	purposed purpose	He this bear out	RATING	1.6	remove A	aginginnes()	ভালত কৰি	10年(金田)株合
CAP. (µF)	3 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	35 VOLT.		
CAP. (µF)	PART: No.	PART No.	PART No.W	PART No.	PART No.	PART No.	T.F	
0.033 0.047		18 (38	- No. 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	di sereni una con di	the state of the state of	1-131-273-00 1 14C	e b	41/5
0.068 0.1	A F MARKET A CAMPAGNA	244.25. 135	. 8		bendennibh d seine wester	1-131-275-00 0 0 0 0 1 1 1 1 31-276-00		i es
0.22 (9)	ija ro asimalei gen	restriction connection	, de	Service America 1/8	1-131-262-00	1-131-277-00	. s	
0.22		314	-	- mil sanighden	1-131-263-00	1-131-279-00	-186	/A: 17
0.47	* ***	1.00	1-131-169-00	1-131-258-00	1-131-264-00	1-131-280-00 1-131-281-00 (2012)		
1.0	2034		1-131-254-00	-	1-131-266-00	1-131-282-00	17	** :
1.5 2.2		1-131-250-00	-0' = w	1-131-259-00	1-131-267-00	1-131-283-00 1-131-284-00	: 43	
3.3 4.7		1-131-251-00	1-131-255-00 M8 1-131-171-00		1-131-269-00	March of the second sec	3 .	2
	We en in	to divina laterates	Ex - Will	1-131-260-00	1-131-271-00	Natas Heart Destroy	13	
10 15 (14) x (1)	Vi. 12 12	1-131-252-00	1-131-256-00	1-131-261-00°	1-131-272-00 L has department	wane baseliter	7.9	
33	1-131-176-00	- 1-131-253-00	1-131-257-00			warme tray to lage (19-8 cort)	72	
47	1-131-288-00	1-131-174-00	, de = = =	_	,	A STATE OF THE STA	1 82	
100	1-131-177-00		A Comment of the Comm			werpt dead 101 had		

1/4 WATT CARBON RESISTORS

MYLAR CAPACITORS

-Ω	Part No.	Ω	Part No.	,Ω,	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω.	Part No.
1.0	1-246-401-00	10,	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k		1.0M	1-246-545-0
1.1	1-246-402-00	.11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-0
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-0
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-0
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-0
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-0
.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-0
0.8	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-0
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-0
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-0
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-0
.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-0
.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-0
.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-0
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
5.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
8.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		*
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

HARDWARE NOMENCLATURE



- Indicated slotted-head only. Unless otherwise indicated, it means cross-recessed head (Phillips type).

Reference Designation	Shape	Description	Remarks				
	1	SCREWS					
Р	₽	pan-head screw	binding-head (B) screw for replacement				
PWH 🗗		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement				
PS ###		pan-head screw with spring washer;	binding-head (B) screw and spring washer for replace- ment				
PSW PSPW	(%)	pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement				
R	(round-head screw	binding-head (B) screw for preplacement				
К	Þ	flat-countersunk-head screw (1), 4,85, 1,4 (1)	Monatorial money				
RK	€	oval-countersunk-head screw	MEMBERS :				
В	₽	binding-head screw	Object of the selection of the contract of the				
Т	₽	truss-head screw	binding-head (B) screw for replacement				
F	[] 3	flat-fillister-head screw					
RF	€	fillister-head screw					
вv	₽	braizer-head screw	ments or magazines and "wassers for a community or management				

Nut,	Washer,	Retaining	ring

Reference Designation	Shape	Description	n Remarks				
***************************************		SELF-TAPPING SCRE	WS. C. LAIL.				
TA	(1)	self-tapping screw	ex: TA, P 3 x 10				
PTP	(EES)	pan-head self-tapping screwmonton MU	binding-head self- tapping (TA, B) screw for replacement				
etewh,		pan-head self-tapping screw with washer-face	binding-head self tapping (TA, B) screw and flat washer for replacement				
PTTWHM		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement				
		SET SCREWS	716.0				
sc	-63-	set screw	Solati (
sc	-⊚€:3-	hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket				
		NUT	- E 12 g				
N	-[]-@-	nut	2.5.1,				
68 \$11	111	WASHERS	9.4				
w	0	flat washer					
SW 110.73	- O 1	spring washer	y = 1 1				
LW	0	internal-tooth lock washer	ex: LW3, internal				
LW 1/0-1 (.).	0	external-tooth lock washer	ex: LW3, external				
1W1.F5 (-	\$8.6.f	RETAINING RINGS	at in the second				
. E .	6	retaining ring	44:-1:1:1 F1: [87:1] ,01				
G	n	grip-type retaining ring	And the second s				

ELECTROLYTIC CAPACITORS

-	0 176 t 1985	due spale send i en		SWITAR			
	1. 2. 3. 5 USQ	35 VIBIT	7. Sty 186	THOV AT	10 VOLT	CT VOLT.	rang tao
i	and CMAG	OF THAS	PART No	PART No.	PART No	PART Mai	r - 111, 111, 1
	W7 + 1 15						25
	19 18 - 21	when .					
	Western Charles	920 1					
	894 MT - TVT -	A	4, 7 1	* * *		191	¢
:	1.00	4	.0- J 1 1		\$ ***	No. or	* J
2.	10(1) or 6	qe	40 900 C	147	4.	part.	44.5
i	the transfer	4.7	may make	581 01 a		A 1	
	19 8 97 × 1	- '- A	9-20-5	12/3 1 1	44.1	, page 1	
		491.	(4- , 70- ,	132).: (11)	400 000	Server.	
	Min L	All and the second	What is	ar veg	16 3 5 5 1	5-	.4(%)
ď	410 (200)	48	170 4 1 1	April 1997 Control	*A5* 5 1	10.2	
	Vi-	ye.			1. 12	μ_{T} , σ = 1	
1	11111	engagest of the first	Specifical Control	1,5 11 A A	18 8 A 18 C	W).srt. ** 1 ;	21.5
	107 - 241 - 1	R). 2 2 1	THE SHIP	M 755 - 1 - 1	1.00		6 - 5
		4120 111	1.7 St 77	CA ST.		Alteria	P.C.
:				t)(1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	16 - 19 c - 14	ARE CAMPAGE.	118 35" 1
		Ç.,	TIYOV BEK	7300 005	.:JOV Dat	F 1047-895	
		14	ON YEAR	the rake	PART YA	এব শ্লেক্দ	RW. NAD
							30.0
			Way and a second	11/4 2 14/2 5 "	4)	per comment	
			1.0: 21()			185 C	
		•	Marian	"Highelitan !		fig. sea par	4, 1
			47-1168E 1	Barrage Comment	1) 15"	+ 44 (1) + (1) th (1)	
			We still the second		1.27 1.09		2

services on a service of the con-			2327	TAR			
SH VON T	CAP NE	TIOV.TO	ran left	CONTRACT	750 355	T //// 06	191 760
matery ((4)	Witness Hotel	181	January 1981		u() 1 () 2 () 2 () 1 ()	* 11
60-611 (64-1	1(0) 3	Harry Wall	145	Historia Ad	\$ ₁ =	MEANA DOL	23.3
an and a	1338.6	to (W), attractions	· -> Y	type control	* * * .	19-24 S. C. C.	<i>3</i> *
BENCH TOLL	47,038.71	5.5	1.41	and in the	. * 12"	363 of 2 of	- 1
acktigi.	. 104. 7	titural file	'I'' .	dr. 1 . 1 . 1 . 1	+ 1	mental comment.	44.7
Anti-Standard Co	1906 45	AG OF STATES	1160	Wind the Medical Medic		SWINNING COMMITTEE	;
O(E**) - 5(0) - 1	1 f *M) >	on are car.	3 **	We have		180 1 (6 Januar)	
00-1/21-261-1	578) O	1971 Pro (13	12-57	Remodel on	+ 3	AND SHOW	
09-311-104-1	medition of t	· · · · · · · · · · · · · · · · · · ·	13× ×	typh sometry significan	te	THE FROM STATE	A
M-4C1-501-1	423610	·斯克·· 气 电 型() 5 · ·	2003	SAN TO FREE PURE A		100 160 101 -	
omen's service	446611	Office of the Chi	g. X	1969. 4 8 3 4 4 1 4 4 4	12	·····································	
90-81 t 10;	1.40, 0	48, 17, 60, MILL	118, 4.	142-984 This	• •1	FREADULTS:	14
0.04/21/204-0	(1 D)	161-1-2-2111 1	+4.7.3	#1 2 8 c (19 c -	r 4	Wall por Collect	15.1
(A) - 4(A) (J)	C 1 17	303 Sec. 122	*** *	Chip. 12 15	•	28 × 28 × 5 × 5	
(a)-a(x)-(11 f	(88) 17	W. T. 1977 .	45%	10 a 15 A 1	en .	- H) . in table .] () t . :	
		wari : The	50-13	, d) 11 0 170y	f = 1	(4f): 18 to "Will	8.1
		signification of the state of	44. 4	745 3 C D 18 25 C -		Mill of the State of	2- 1
		1		P1 1(H)		ath 1 表标为数1 。	-3 -
				133-1-17-17-1	F1, 1	$s_i^{(i)}\{j,i,j,\ell\} \in \{j,i+1\}$	×1
		1		MA (MA) 184	. 30	1 (83.5% D. (1) .)	0.5

CERAMIC ISEMICONDUCTORI CAPACITORS

SO VOLT. PART No.	PART No.	(AP. 164)		50 VOLT.	25 VOLT.	PAG SAG	
1 (6) 954 90	02-310-1a1	830.0		SurProcessis	diene	. 1000-0	and the second s
1-12-1-055-00	Q45-110-141-2	1000		3(14(44)-141-7	400	110000	
0.00-036-00	(40) 研究所 (五) (1 4 0) 15		90.4 pg. rax.:		10000	
68.77 (A) A1-1	00-910/781-1	7.0,0		86 540-103-		3106 0	
1 161 058-00	90 010 Gaf-1	-4.0.0		00-640-tol r		12000149	
(16)-18(1-18(1-1))		1.840 (6)		MI-ANG-LOUI	4	1996-0	
ageografii	. p	420.0		99-340-1-0-1	e p = 1	1 K 136.8 . 18	la de la composição de la
D0-140-151-1	boss.	8/86,5		20-250-1-1-1	Serve.	PERCENT	
OO-Labelet - F	90 stg-tale:	. 80.0		00/740-16151	4000	64(413.6)	[
(Kerkolleani i	Albertage free free	(F)		1) All (144 mile)	40	48883-0	į.
				76,000 (01.	Alpha - r	889650	
				964080-141-1,	90-110-191-1	0.008	1
				BB-180-181-18	94-619-tel-1	149.40	-
				THE PROTOCKET	· +	0.07	1
Son	y Corpor	ration	21.4	11-161-653-00	F1613013-00	. 610.0.	81 G0596

9-950-627-11

© 1981

Printed in Japan